

10/286403

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<110> RAHME, Laurence  
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TOMPKINS, Ronald G.  
XIAO, Gaoping

<120> Methods For Identifying Candidate  
Compounds For Treating, Reducing, or Preventing Pathogenic  
Infections

<130> 00786/455003

<150> PCT/US05/02174

<151> 2005-01-21

<150> US 60/538,361

<151> 2004-01-22

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<213> Pseudomonas aeruginosa

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<213> *Pseudomonas aeruginosa*

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<213> *Pseudomonas aeruginosa*

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<213> *Pseudomonas aeruginosa*

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<213> *Pseudomonas aeruginosa*

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<212> PRT

<213> *Pseudomonas aeruginosa*

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Ser Leu Ala Cys Leu Phe Leu Ala Cys Ile Ala Val Gly Ala Ile Pro
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<212> PRT

<213> *Pseudomonas aeruginosa*

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Ser Pro Asp His Leu Ile Glu Asn Arg Asp Ile Met Ala Pro Lys Ile
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Gly His Pro Leu Gln Lys Val Leu Gly Ala Asn Arg Ala His Val Phe
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<213> *Pseudomonas aeruginosa*

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 50 55 60  
 Glu Ala Ala Gly Leu Leu Pro Glu Asp Ile Asp Leu Leu Leu Val Asn  
 65 70 75 80  
 Thr Leu Ser Pro Asp His His Asp Pro Ser Gln Ala Cys Leu Ile Gln  
 85 90 95  
 Pro Leu Leu Gly Leu Arg His Ile Pro Val Leu Asp Ile Arg Ala Gln  
 100 105 110

Cys Ser Gly Leu Leu Tyr Gly Leu Gln Met Ala Arg Gly Gln Ile Leu  
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 305                          310                          315                          320  
 Thr Trp Gly Ala Ala Leu Tyr Arg Lys Pro Glu Glu Val Asn Arg Pro  
                           325                          330                          335  
 Cys

<210> 12  
 <211> 301  
 <212> PRT  
 <213> *Pseudomonas aeruginosa*

<400> 12  
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 Leu Gly Asp Val Gln Val Pro Val Phe Leu Leu Arg Leu Gly Glu Ala  
           20                          25                          30  
 Ser Trp Ala Leu Val Glu Gly Gly Ile Ser Arg Asp Ala Glu Leu Val  
           35                          40                          45  
 Trp Ala Asp Leu Cys Arg Trp Val Ala Asp Pro Ser Gln Val His Tyr  
           50                          55                          60  
 Trp Leu Ile Thr His Lys His Tyr Asp His Cys Gly Leu Leu Pro Tyr  
 65                          70                          75                          80  
 Leu Cys Pro Arg Leu Pro Asn Val Gln Val Leu Ala Ser Glu Arg Thr  
                           85                          90                          95  
 Cys Gln Ala Trp Lys Ser Glu Ser Ala Val Arg Val Val Glu Arg Leu  
           100                          105                          110  
 Asn Arg Gln Leu Leu Arg Ala Glu Gln Arg Leu Pro Glu Ala Cys Ala  
           115                          120                          125  
 Trp Asp Ala Leu Pro Val Arg Ala Val Ala Asp Gly Glu Trp Leu Glu  
           130                          135                          140  
 Leu Gly Pro Arg His Arg Leu Gln Val Ile Glu Ala His Gly His Ser



145		150		155		160									
Asp	Asp	His	Val	Val	Phe	Tyr	Asp	Val	Arg	Arg	Arg	Arg	Leu	Phe	Cys
		165		170		175									
Gly	Asp	Ala	Leu	Gly	Glu	Phe	Asp	Glu	Ala	Glu	Gly	Val	Trp	Arg	Pro
		180		185		190									
Leu	Val	Phe	Asp	Asp	Met	Glu	Ala	Tyr	Leu	Glu	Ser	Leu	Glu	Arg	Leu
		195		200		205									
Gln	Arg	Leu	Pro	Thr	Leu	Leu	Gln	Leu	Ile	Pro	Gly	His	Gly	Gly	Leu
		210		215		220									
Leu	Arg	Gly	Arg	Leu	Ala	Ala	Asp	Gly	Ala	Glu	Ser	Ala	Tyr	Thr	Glu
		225		230		235									
Cys	Leu	Arg	Leu	Cys	Arg	Arg	Leu	Leu	Trp	Arg	Gln	Ser	Met	Gly	Glu
		245		250		255									
Ser	Leu	Asp	Glu	Leu	Ser	Glu	Glu	Leu	His	Arg	Ala	Trp	Gly	Gly	Gln
		260		265		270									
Ser	Val	Asp	Phe	Leu	Pro	Gly	Glu	Leu	His	Leu	Gly	Ser	Met	Arg	Arg
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		290		295		300									

<210> 13  
 <211> 382  
 <212> PRT  
 <213> Pseudomonas aeruginosa

<400> 13
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35 40 45
Leu Thr Ala Leu Ser Ser Thr Leu Asp Leu Asp Arg Leu Phe Arg Arg
50 55 60
Gly Met Pro Leu Ala Gly Ile Asn Val Tyr Ala His Asp Gly Ser Met
65 70 75 80
Leu Met Ser Met Pro Ser Ser Leu Gly Gly Asn Ser Arg Gly Gly Leu
85 90 95
Ala Leu Gln Arg His Glu Leu His Ala Ala Leu Leu Glu Gly Leu Asp
100 105 110
Glu Ser Arg Ile Arg Val Gly Val Ser Ile Val Gln Ile Leu Asp Gly
115 120 125
Leu Asp His Glu Arg Val Thr Leu Ser Asp Gly Thr Val His Asp Cys
130 135 140
Ser Leu Val Val Gly Ala Asp Gly Ile Arg Ser Ser Val Arg Arg Tyr
145 150 155 160
Val Trp Pro Glu Ala Thr Leu Arg His Ser Gly Glu Thr Cys Trp Arg
165 170 175
Leu Val Val Pro His Arg Leu Glu Asp Ala Glu Leu Ala Gly Glu Val
180 185 190
Trp Gly His Gly Lys Arg Leu Gly Phe Ile Gln Ile Ser Pro Arg Glu
195 200 205
Met Tyr Val Tyr Ala Thr Leu Lys Val Arg Arg Glu Glu Pro Glu Asp
210 215 220
Glu Glu Gly Phe Val Thr Pro Gln Arg Leu Ala Ala His Tyr Ala Asp
225 230 235 240





ggcggcatcg acaccaaggt gtattgctac tacaacaccg cgctggaatc cgagcgcagc 840  
 ttcttgcgct ttctcgaaag cgcccgccag cgcctgcgcg aactcggccg ccagcggttc 900  
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<210> 17

<211> 332

<212> PRT

<213> Pseudomonas aeruginosa

<400> 17

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			20					25					30		
Thr	Ala	Val	Ser	Ser	Ala	Val	Ser	Asn	Leu	Glu	Ile	Asp	Leu	Cys	Val
		35					40					45			
Glu	Leu	Val	Arg	Arg	Asp	Gly	Tyr	Lys	Val	Glu	Pro	Thr	Glu	Gln	Ala
	50					55					60				
Leu	Arg	Leu	Ile	Pro	Tyr	Met	Arg	Ser	Leu	Leu	Asn	Tyr	Gln	Gln	Leu
65					70					75					80
Ile	Gly	Asp	Ile	Ala	Phe	Asn	Leu	Asn	Lys	Gly	Pro	Arg	Asn	Leu	Arg
				85					90					95	
Val	Leu	Leu	Asp	Thr	Ala	Ile	Pro	Pro	Ser	Phe	Cys	Asp	Thr	Val	Ser
			100					105					110		
Ser	Val	Leu	Leu	Asp	Asp	Phe	Asn	Met	Val	Ser	Leu	Ile	Arg	Thr	Ser
		115					120						125		
Pro	Ala	Asp	Ser	Leu	Ala	Thr	Ile	Lys	Gln	Asp	Asn	Ala	Glu	Ile	Asp
		130				135					140				
Ile	Ala	Ile	Thr	Ile	Asp	Glu	Glu	Leu	Lys	Ile	Ser	Arg	Phe	Asn	Gln
145					150					155					160
Cys	Val	Leu	Gly	Tyr	Thr	Lys	Ala	Phe	Val	Val	Ala	His	Pro	Gln	His
				165					170					175	
Pro	Leu	Cys	Asn	Ala	Ser	Leu	His	Ser	Ile	Ala	Ser	Leu	Ala	Asn	Tyr
			180					185					190		
Arg	Gln	Ile	Ser	Leu	Gly	Ser	Arg	Ser	Gly	Gln	His	Ser	Asn	Leu	Leu
		195				200						205			
Arg	Pro	Val	Ser	Asp	Lys	Val	Leu	Phe	Val	Glu	Asn	Phe	Asp	Asp	Met
		210				215					220				
Leu	Arg	Leu	Val	Glu	Ala	Gly	Val	Gly	Trp	Gly	Ile	Ala	Pro	His	Tyr
225					230					235					240
Phe	Val	Glu	Glu	Arg	Leu	Arg	Asn	Gly	Thr	Leu	Ala	Val	Leu	Ser	Glu
			245						250					255	
Leu	Tyr	Glu	Pro	Gly	Gly	Ile	Asp	Thr	Lys	Val	Tyr	Cys	Tyr	Tyr	Asn
			260					265					270		
Thr	Ala	Leu	Glu	Ser	Glu	Arg	Ser	Phe	Leu	Arg	Phe	Leu	Glu	Ser	Ala
		275					280					285			
Arg	Gln	Arg	Leu	Arg	Glu	Leu	Gly	Arg	Gln	Arg	Phe	Asp	Asp	Ala	Pro
		290				295					300				
Ala	Trp	Gln	Pro	Ser	Ile	Val	Glu	Thr	Ala	Gln	Arg	Arg	Ser	Gly	Pro
305					310					315					320
Lys	Ala	Leu	Ala	Tyr	Arg	Gln	Arg	Ala	Ala	Pro	Glu				
			325						330						